OPERATING INSTRUCTIONS

for

TYPE 1203-A

UNIT POWER SUPPLY

Form 754-A
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GENERAL RADIO COMPANY

CAMBRIDGE 39 MASSACHUSETTS

NEW YORK CHICAGO LOS ANGELES

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Operating Instructions

for

Type 1203-A Unit Power Supply

General

The Type 1203-A has been designed primarily to supply power to other instruments of the Unit line; it can also be used as a general-purpose source of heater and plate power.

Installation

Other instruments of the Unit line are provided with a multipoint connector for plugging directly into the Type 1203-A outlet. For those instruments where the connector is mounted on the side of the cabinet (rather than at the end of an attached cable) the instrument can be firmly and permanently attached to the power supply by bolting the units together through matching holes in their multipoint connectors. A 10-32 screw with wing nut is supplied for this purpose.

If the Type 1203-A is to be used with equipment other than of the Unit line, see diagram for connections to the mating multipoint plug.

Inside terminal view of mating multipoint connector. Connect to #13 and #14 for 6.3 volts a.c. Connect to #15 and #16 for 300 volts, d.c. The positive terminal is #15.

Both the 6.3-volt a-c supply system and the 300-volt d-c supply system are isolated from ground and from each other to permit greater latitude in external connections.

Connect the power supply to an a-c line of 115 volts, 50 or 60 cycles.

The off-on panel switch is the only control.

Cover

To remove the cover, loosen the black thumb-screw on the left side of the cabinet and slide the cover off, away from the panel.

Output

6.3 volts, a.c., nominal; 3 amperes a.c. maximum. About 300 volts, d.c., at 50 milliamperes maximum. About 410 volts, d.c., at no load. If the a-c load is limited to 1.5 amperes, the maximum allowable d-c load is 65 milliamperes (about 285 volts).

Hum Level

About 250 millivolts a.c. at 300 volts, 50 milliamperes d.c.

Input Power Supply

115 volts, 50-60 cycles.

Power Input

10 watts no load. 50 watts full load.

Rectifier Tube

One 6X4 which is supplied.

Connection Terminals

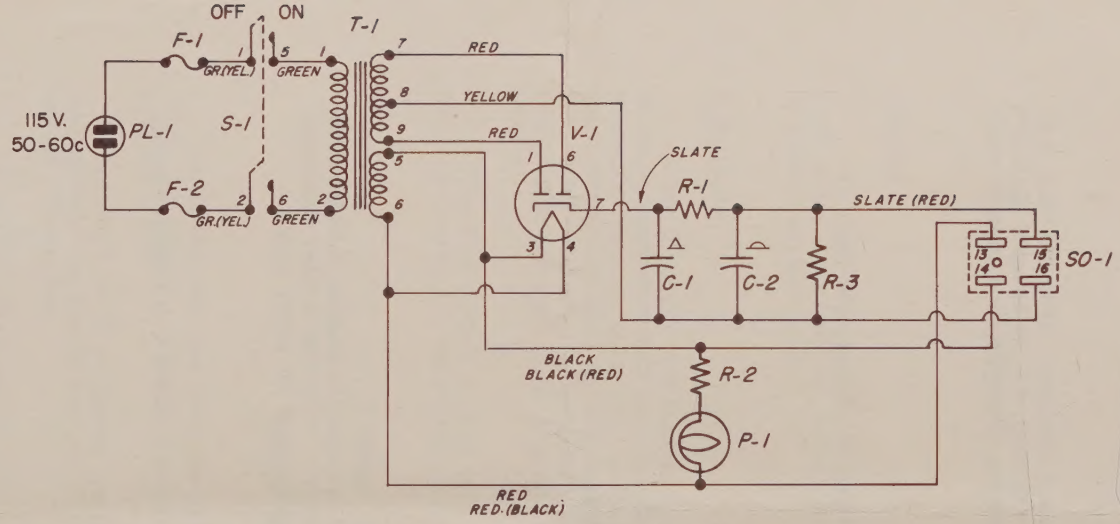
A standard multipoint connector is arranged for plugging in instruments of the Unit line. A mating plug is supplied for connecting to other equipment. The line connector cord is affixed permanently to the power supply.

Dimensions

(Width) 5 inches x (height) 5-3/4 inches x (depth) 6-1/4 inches overall, not including line connector cord.

Net Weight

5 pounds.



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Wiring Diagram for Type 1203-A Unit Power Supply

PL-1 =	Plug	Part of CAP-1-2	
SO-1 =	Socket	CDMS-5-4	
S-1 =	Switch DPST	SWT-333	
P-1 =	Pilot Light 6.3V	2LAP-939	
F-1 =	Fuse 0.6 amp Slo-Blo	3AG GR FUF-1 (for 115V)	
F-2 =	Fuse 0.6 amp Slo-Blo	3AG GR FUF-1 (for 115V)	
T-1 =	Transformer	485-473	

CAPACITORS

C-1 =	40 μf	450 WVDC	Part of COEB-28
C-2 =	40 μf	450 WVDC	Part of COEB-28

RESISTORS			TYPE
R-1 =	270 Ohms	±10%	REW-6C
*R-2 =	15 Ohms	±10%	REW-3C
R-3 =	120 k Ohms	±10%	REC-41BF

* Part of P-1 Socket

TUBE

V-1 6X4